**MATHEMATICS SCHEMES OF WORK FOR CLASS EIGHT TERM TWO - 2020**

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| **WK** | **LES** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **T/L. ACTIVITIES** | **T/L AIDS** | **REFERENCE** | **REMARKS** |
| 1 |  | Topics covered in first term | Revisions | By the end of the lesson the learner should be able to recall content covered in previous term in preparation for term two work . | Asking and answering questions.Tests and quizzes | Past exam papers | -Marking schemes for past exams |  |
| 2 | 1 | **MEASUREMENT** | Percentage Profit and loss | By the end of the lesson the learner should be able to work out problems involving percentage profit and loss. | -Demonstration-Asking & answering questions-Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 134 |  |
| 2 | ‘’ | Percentage Profit and loss | By the end of the lesson the learner should be able to work out problems involving percentage profit and loss. | -Demonstration-Asking & answering questions-Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 136 |  |
| 3 | ‘’ | Bills | By the end of the lesson the learner should be able to work out problems involving bills. | -Demonstration-Asking & answering questions-Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 137 |  |
| 4 | ‘’ | Bills | By the end of the lesson the learner should be able to work out further problems involving bills. | -Demonstrations-Working out exercises | -chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 139 |  |
| 5 | ‘’ | Discount | By the end of the lesson the learner should be able to work out problems involving discount | Demonstrations-Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg 140 |  |
| 6 | ‘’ | Percentage discount  | By the end of the lesson the learner should be able to work out problems involving percentage discount | Demonstrations-Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 141 |  |
| 7 | ‘’ | Commission and percentage  | By the end of the lesson the learner should be able to work out problems involving | Demonstrations-Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 142 |  |
| 3 | 1. | **MEASUREMENT** | -Hire purchase | By the end of the lesson the learner should be able to work out problems involving hire purchase | -Explanation-Demonstration-Asking & answering questions-Working out exercises | -Chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –pg 144 |  |
| 2. | ‘’ | -Simple interest | By the end of the lesson the learner should be able to work out problems involving Simple interest | Explanation-Demonstration-Asking & answering questions-Working out exercises | Chalkboard-Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 146 |  |
| 3. | ‘’ | ‘’ | By the end of the lesson the learner should be able to work out problems involving simple simple purchase | Explanation-Demonstration-Asking & answering questions-Working out exercises | Chalkboard-Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg.148 |  |
| 4. | ‘’ | -Compound interest | By the end of the lesson the learner should be able to work out problems involving compound interest using simple interest per unit time. | Explanation-Demonstration-Asking & answering questions-Working out exercises | Chalkboard-Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 152 |  |
| 5. | **MEASUREMENT**’ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(inland) | Explanation-Demonstration-Asking & answering questions-Working out exercises | Chalkboard-Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 155 |  |
| 6. | ‘’ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(International) | Explanation-Demonstration-Asking & answering questions-Working out exercises | Chalkboard-Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 158 |  |
| 7. | ‘’ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(parcels) | Explanation-Demonstration-Asking & answering questions-Working out exercises ‘’ | Chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 162 |  |
| 4 | 1. | **MEASUREMENT** | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(money orders) | --Demonstration-Asking & answering questions-Working out exercises | -Examples on chalkboard and pupils text book  | Primary mathematics: pupils book 8 (2005 new edition) JKF –pg. 164 |  |
| 2. | ‘’ | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(Postal orders) | --Demonstration-Asking & answering questions-Working out exercises | -Examples on chalkboard and pupils text book  | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 166 |  |
| 3. | ‘’ | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(Inland telegrams) | --Demonstration-Asking & answering questions-Working out exercises | -Examples on chalkboard and pupils text book  | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 168 |  |
| 4. | **TIME, SPEED AND TEMPERATURE** | Time | By the end of the lesson the learner should be able to work out problems involving time. | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | Clock faceExamples in pupils text bk | Primary maths ppls bk. 8 pg. 171 |  |
| 5. | ,, | ,, | By the end of the lesson the learner should be able to work out problems involving time | DemonstrationWorking out exercises | Illustrations on chalkboard | Ppls bk. pg. 172 |  |
| 6. | ,, | Fares tables | By the end of the lesson the learner should be able to work out problems involving fares | Asking and answering oral questions | Illustrations on chalkboard | Ppls bk. pg. 173 |  |
| 7. | ,, | Bus time table  | By the end of the lesson the learner should be able to work out problems involving bus timetables | Working out exercises | Illustrations on chalkboard | Ppls bk. pg. 174 |  |
| 5 | 1. | ,, | Train timetable | By the end of the lesson the learner should be able to work out problems involving train timetables | DemonstrationWorking out exercises | Timetables in ppls text bk | Ppls bk. pg. 175 |  |
| 2. | ,, | Plane timetables | By the end of the lesson the learner should be able to work out problems involving plane timetables. | Asking and answering oral questions | ,, | Ppls bk. pg. 177 |  |
| 3. | ,, | Speed: Conversion of Km/h to m/s | By the end of the lesson the learner should be able to convert km/h to m/s | Working out exercises | ,chart showing conversions  | Ppls bk. pg. 178 |  |
| 4. | **TIME, SPEED AND TEMPERATURE** | Conversion of m/s to Km/h | By the end of the lesson the learner should be able to convert m/s to km/h | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | Examples in pupils text bkClock face Chalkboard | Primary maths ppls bk. 8 pg. 180 |  |
| 5. | ,, | Speed , time and distance | By the end of the lesson the learner should be able to work out problems involving speed, time and distance. | Working out exercises | ,, | Ppls bk. pg.181 |  |
| 6 | ,, | ,, | By the end of the lesson the learner should be able to work out problems involving sped, time and distance. | Working out exercises | ,, | Ppls bk. pg.183 |  |
| 7 |  | Temperature | By the end of the lesson the learner should be able to work out problems involving temperature. | Working out exercises | Examples in pupils text bkThermometer | Ppls bk. pg. 184 |  |
| 6 | 1. | SCALE DRAWING | Reading and interpreting diagrams drawn to scale | By the end of the lesson the learner should be able to read and interpret diagrams drawn to scale. | Reading and interpreting diagrams drawn to scale | Diagrams and illustration on chalkboardLocal environment | Ppls bk. pg.186 |  |
| 2. | ,, | ‘’ | By the end of the lesson the learner should be able to work out problems involving scale. | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | ,, | Ppls bk. pg. 187 |  |
| 3. | ,, | Determining and making scale drawing  | By the end of the lesson the learner should be able to determine and make scale drawings. | ,, | Examples in pupils text bkchalkboard | Primary maths ppls bk. 8 pg.191 |  |
| 4. | ,, | ‘’ | By the end of the lesson the learner should be able to draw diagrams using given scale. | ExplanationDemonstrationWorking out exercises | ,, | Ppls bk. pg.192 |  |
| 5 | ,, | Exercises involving scale drawing | By the end of the lesson the learner should be able to work out problems involving scale drawing. | ExplanationDemonstrationWorking out exercises | ,, | Ppls bk. pg.192 |  |
| 6 | ,, | ,, | By the end of the lesson the learner should be able to work out problems involving scale drawing. | Working out exercises | Chalkboard | Ppls bk. pg.186 |  |
| 7 | TEST | - | By the end of the lesson the learner should be able to work out given revision exercise to reinforce covered content | Working out exercises | Chalkboard | Ppls bk. pg.186 |  |
| 7 | 1 | RATIO AND PROPORTION | Ratio | By the end of the lesson the learner should be able to work out problems involving ratio. | ExplanationDemonstrationWorking out exercises | Examples in pupils text bkchalkboard | Ppls bk. pg. 194 |  |
| 2 | ‘’ | Ratio | By the end of the lesson the learner should be able to problems involving ratio | Working out exercises | Examples in pupils text bk | Ppls bk. pg.195 |  |
| 3 | ‘’ | Ratio | By the end of the lesson the learner should be able to problems involving ratio | Working out exercises | chalkboard | Ppls bk. pg. 196 |  |
| 4 | ‘’ | Ratio increasing and decreasing | By the end of the lesson the learner should be able to work out problems involving ratio increase and decrease. | Working out exercises | Examples in pupils text bk | Ppls bk. pg.199 |  |
| 5 | ‘’ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving simple direct proportion. | ExplanationDemonstrationWorking out exercises | ,, | Ppls bk. pg. 201 |  |
| 6 | ‘’ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving simple direct proportion. | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | Examples in pupils text bkchalkboard | Primary maths ppls bk. 8 pg. 203 |  |
| 7 | ‘’ | Indirect proportion | By the end of the lesson the learner should be able to work out problems involving indirect proportion.  | ,, ExplanationDemonstrationWorking out exercises | Examples in pupils text bk | Ppls bk. pg.204 |  |
| **8** | 1 | RATIO AND PROPORTION | Indirect proportion | By the end of the lesson the learner should be able to work out problems involving simple indirect proportion. | ExplanationDemonstrationWorking out exercises | chalkboard | Ppls bk. pg.204 |  |
| 2 | ‘’ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving direct proportion. | ExplanationDemonstrationWorking out exercises | Examples in pupils text bk | Ppls bk. pg. 205 |  |
| 3 | ‘’ | Ratio and proportion mixed exercises | By the end of the lesson the learner should be able to work out mixed exercises involving mixed exercises. | ExplanationDemonstrationWorking out exercises | chalkboard | Ppls bk. pg.205 |  |
| 4 | TABLES AND GRAPHS | Averages(i)Mean | By the end of the lesson the learner should be able to recognize,identify and work out exercises involving mean. | ExplanationDemonstrationWorking out exercises | Examples in pupils textChalkboard | Ppls bk. pg.207 |  |
| 5 | ,, | (ii)The mode | By the end of the lesson the learner should be able to recognize, identify and work out exercises involving mode. | ExplanationDemonstrationWorking out exercises, | ,, | Ppls bk. pg. 208 |  |
| 6 | ,, | (iii)The median | By the end of the lesson the learner should be able to recognize, identify and work out exercises involving median. | Working out exercises | ,, | Ppls bk. pg.209 |  |
| 7 | TABLES AND GRAPHS | (iii)The median | By the end of the lesson the learner should be able to work out exercises involving median. | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | Tables and graphs in ppls text bkChalkbaordGraph books | Primary maths ppls bk. 8 pg. 210 |  |
| 9 | 1 | ,, | Reading and interpreting information from tables | By the end of the lesson the learner should be able to read, draw and interpret information given in tables. | Working out exercises | Tables and graphs in ppls text bkChalkbaordGraph books | Ppls bk. pg.211 |  |
| 2 | ,, | Reading and interpreting bar graphs | By the end of the lesson the learner should be able to read, draw and interpret bar graphs | Drawing bar graphsWorking out exercises | Examples in pupils text bkChalkbaordGraph books | Ppls bk. pg.213 |  |
| 3 | , | ,, | By the end of the lesson the learner should be able to read, draw and interpret bar graphs  | Working out exercises | Examples in pupils text bkChalkbaordGraph books | Ppls bk. pg. 214 |  |
| 4 | TABLES AND GRAPHS | Reading and interpreting pie charts | By the end of the lesson the learner should be able to read and interpret pie charts. | Reading and interpreting pie charts | , Examples in pupils text bkChalkbaordGraph books | Ppls bk. pg. 215 |  |
| 5 | ,, | ,, | By the end of the lesson the learner should be able to read and interpret pie charts | Reading and interpreting pie charts | ,, | Ppls bk. pg.218 |  |
| 6 | ,, | Reading and interpreting line graphs | By the end of the lesson the learner should be able to read and interpret line graphs | Reading and interpreting pie charts | ,, | Ppls bk. pg. 218 |  |
| 7 | TABLES AND GRAPHS | ‘’ | By the end of the lesson the learner should be able to read,draw and interpret line graphs  | ExplanationDemonstrationAsking and answering oral questionsWorking out exercises | Examples in pupils text bkChalkbaordGraph books | Primary maths ppls bk. 8 pg.223 |  |
| **10** | 1 | ,, | ,, | By the end of the lesson the learner should be able to read and interpret line graphs | ,, | Graph books | Ppls bk. pg.224 |  |
| 2 | ,, | Travel graphs | By the end of the lesson the learner should be able to read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.226 |  |
| 3 | ,, | ,, | By the end of the lesson the learner should be able to draw graphs, read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.229 |  |
| 4 | ,, | Travel graphs | By the end of the lesson the learner should be able to read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.231 |  |
| 5 | GEOMETRY | Patterns with shapes | By the end of the lesson the learner should be able to make geometrical patterns using straight lines. | Reading and interpreting line graphs | Geometrical sets | Ppls Pg. 245 |  |
| 6 | GEOMETRY  | Patterns with shapes | By the end of the lesson the learner should be able to make patterns using quadlilaterals, triangles and circles. | Making patternns | Examples in pupils text bkGeometrical setsChalkboard | Primary maths ppls bk. 8 pg. 246 |  |
| 7 | ,, | Patterns with shapes | By the end of the lesson the learner should be able to make patterns using quadlilaterals, triangles and circles. | Making patternns | ,, | Ppls bk. pg.247 |  |
| **11-12****13****14** | **END TERM TWO EXAMS,**  |